



Dustakar Abhiraj
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Bachelor of Technology(B.Tech)
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EDUCATION

- **National Institute of Technology, Warangal** 2023-2027
Computer Science And Engineering, Telangana CGPA : 8.43
- **Fiitjee Junior College** 2023
Board of Intermediate Education, Telangana Percentage: 96.1
- **Fiitjee World School** 2021
Board of Secondary Education, Telangana CGPA : 10

PERSONAL PROJECTS

- **Chess Arena** June 2025
A feature-rich chess platform supporting dynamic matchmaking, synchronized gameplay, and private friend lobbies.
 - **Tech stack:** React.js (Frontend), Spring Boot + Java (Backend), Redis (Cache), PostgreSQL (Database); Render, NeonDB, Upstash Redis, and Netlify (Deployment).
 - Developed backend system and designed a database schema to support a real-time multiplayer chess system for high concurrency.
 - Integrated Redis and WebSocket communication, optimizing for low data latency
 - Implemented passwordless authentication using secure token-based login to simplify the login experience and improve the login success rate by 25%.
 - Introduced a feature of private lobbies for friend matches.
 - Dockerized entire stack, reducing deployment time to cloud by 80%.
- **CivicPulse - Political Campaign Management System** May 2025
A database management system focused on political literacy, grievance redressal, and voter engagement.
 - Designed a centralized PostgreSQL database to manage voters, volunteers, events, finances, and communications across constituencies.
 - Normalized and optimized schema, improving query performance by 40% and reducing data redundancy.
 - Data-driven decisions are enabled by integrating analytics for voter engagement and donation tracking.
 - Powered targeted outreach through demographic and behavioral filters, increasing engagement by 35%.
 - Consolidated campaign data into a single source of truth, cutting manual errors and reporting time by 50%.
- **NITW Events** Sep 2024
Dedicated website for events management in NIT Warangal using Java Spring boot with microservices
 - Tech stack: React.js, Spring Boot (Java), Microservices, PostgreSQL & Vite
 - Built a scalable microservices architecture, reducing system downtime by 40%.
 - Implemented RBAC (Role-Based Access Control) for secure, fine-grained access control across services.
 - Secured user authentication with OAuth2.0 and JWT, reducing unauthorized access by 60%.
 - Integrated Google Calendar API to automate scheduling and enhance event visibility.

TECHNICAL SKILLS AND INTERESTS

Languages: C++ , Java

Developer Tools: Git,Github,VsCode,IntelliJ IDEA,Docker,Postman

Frameworks: React.js, Spring Boot

Cloud/Databases: Oracle SQL,postgresql

Coursework: Data Structure and Algorithms, Object-Oriented Programming System, Database Management System

Architectural Patterns: Microservices

Areas of Interest: Backend Development,System design, Competitive Programming,Distributed Systems

ACHIEVEMENTS

- **JEE Main 2023 AIR:** Top 4000 (Gen) Out of 13Lakh Candidates 2023
- **JEE Advanced 2023 AIR:** Top 5000 (Gen) 2023